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JNANA BHARATHI
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BUB/CTE/2014-15/ **Date: 11-08-2014**

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Roads and Drains at Mariyannapalya in Ward No.06, Byatarayanapura Sub-Division}

Ref.: Letter No. AEE/BPSD/BBMP/21/2014-15, dated 08-08-2014

Sample supplied to lab by: Assistant Executive Engineer,
Byatarayanapura Sub-Division.
BBMP, Bangalore.

Name of the Contractor/Agency*: Sri.V.Chandrappa, Contractor, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**97.50**	95-100
26.50	**---**	-
22.40	**72.60**	60-80
11.20	**43.00**	40-60
4.75	**38.00**	25-40
2.36	**23.70**	15-30
0.600	**18.90**	8-22
0.075	**4.40**	0-8

TABLE 1 2 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.40%**	Not more than 30 %
2	Impact Value	----,,----	**24.80 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

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11/08/2014
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BUB/CTE/2014-15/ **Date: 23-08-2014**

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to Roads and Drains at Mariyannapalya in Ward No.06, Byatarayanapura Sub-Division}

Ref.: Letter No. AEE/BPSD/BBMP/21/2014-15, dated 21-08-2014

Sample supplied to lab by: Assistant Executive Engineer,
Byatarayanapura Sub-Division.
BBMP, Bangalore.

Name of the Contractor/Agency*: Sri.V.Chandrappa, Contractor, Bangalore.

TEST RESULTS:

3. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.12%**
4. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**95.20**	90—100
4.75	**46.00**	35—51
2.36	**29.30**	24—39
1.18	**18.00**	15—30
0.3	**14.30**	09—19
0.075	**4.60**	03—08

*As Furnished by Client

The Results relate only to the items tested.

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Date: 23-08-2014

TABLE 12 :

SL No	Test conducted	Sample No	Results	**Requirements** as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.50%**	Not more than 30 %
2	Impact Value	----,,----	**25.30 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.40%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**98.00 %**	Minimum retained coating 95.0 %

*As Furnished by Client

The Results relate only to the items tested.

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